

PTO/SB/21 (09-04)

Approved for use through 07/31/2006.

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Patent Number	6,985,513
Issue Date	January 10, 2006
First Named Inventor	Ariela Zeira
Application Number	09/755,400
Filing Date	January 5, 2001
Attorney Docket Number	I-2-0149.1US

ENCLOSURES (Check all that apply)

- | | | |
|---|--|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form
<input type="checkbox"/> Fee Attached
<input type="checkbox"/> Amendment/Reply
<input type="checkbox"/> After Final
<input type="checkbox"/> Affidavits/declaration(s)
<input type="checkbox"/> Extension of Time Request
<input type="checkbox"/> Express Abandonment Request
<input type="checkbox"/> Information Disclosure Statement

<input type="checkbox"/> Certified Copy of Priority Document(s)
<input type="checkbox"/> Reply to Missing Parts/
Incomplete Application
<input type="checkbox"/> Reply to Missing Parts
under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)
<input type="checkbox"/> Licensing-related Papers

<input type="checkbox"/> Petition
<input type="checkbox"/> Petition to Convert to a
Provisional Application
<input type="checkbox"/> Power of Attorney, Revocation
Change of Correspondence Address
<input type="checkbox"/> Terminal Disclaimer
<input type="checkbox"/> Request for Refund
<input type="checkbox"/> CD, Number of CD(s) _____
<input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC

<input type="checkbox"/> Appeal Communication to Board
of Appeals and Interferences

<input type="checkbox"/> Appeal Communication to TC
(Appeal Notice, Brief, Reply Brief)

<input type="checkbox"/> Proprietary Information

<input type="checkbox"/> Status Letter
<input checked="" type="checkbox"/> Other Enclosure(s) (please identify
below):
Request for certificate of Correction;
and
Form PTO/SB/44. |
|---|--|--|

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	VOLPE AND KOENIG, P.C.		
Signature			
Printed name	Robert D. Leonard		
Date	July 28, 2006	Reg. No.	57,204

CERTIFICATE OF TRANSMISSION/MAILING

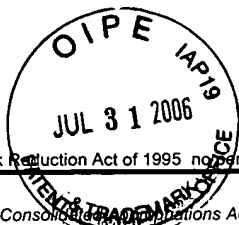
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name	Robert D. Leonard	Date	July 28, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

AUG 3 2006



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PTO/SB/17 (01-06)

Approved for use through 07/31/2006.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL For FY 2006

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 100.00

Complete if Known

Application Number 09/755,400
Filing Date January 5, 2001
First Named Inventor Ariela Zeira
Examiner Name Tesfaldet Bocure
Art Unit 2631
Attorney Docket No. I-2-0149.1US

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☒ Deposit Account Deposit Account Number: 09-0435 Deposit Account Name: InterDigital Communications Corporation

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description

Each claim over 20 (including Reissues)
Each independent claim over 3 (including Reissues)
Multiple dependent claims

Fee (\$)	Small Entity Fee (\$)
50	25
200	100
360	180
Multiple Dependent Claims	
Fee (\$)	Fee Paid (\$)

Total Claims = Extra Claims x Fee (\$)

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims = Extra Claims x Fee (\$)

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets - 100 = Extra Sheets / 50 = Number of each additional 50 or fraction thereof x Fee (\$) = Fee Paid (\$)

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Req. for Certificate of Correction

Fees Paid (\$)

100.00

Certificate of Correction
AUG 03 2006

SUBMITTED BY

Signature: Robert D. Leonard
Registration No. (Attorney/Agent) 57,204
Telephone 215-568-6400
Name (Print/Type) Robert D. Leonard
Date July 28, 2006

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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AUG 3 2006



PATENT

In the **PATENT** of:

Ariela Zeira

Patent No.: 6,985,513

Issued: January 10, 2006

Appln. No.: 09/755,400

Filed: January 5, 2001

For: CHANNEL ESTIMATION FOR TIME
DIVISION DUPLEX COMMUNICATION
SYSTEMS

Our File: I-2-149.1US

Date: July 28, 2006

REQUEST FOR CERTIFICATE OF CORRECTION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

A Certificate of Correction under 35 U.S.C. §§ 254, 255 and 37 C.F.R. §§1.322, 1.323 is requested for U.S. Patent No. 6,985,513. Correction of the following errors is requested.

ON THE TITLE PAGE

At section (56), OTHER PUBLICATIONS, page 1, right column, line 1, after the word "Using", insert "--Fast--".

At section (56), OTHER PUBLICATIONS, page 2, left column, line 22, before the word "Group", delete "Specification".

08/01/2006 YFOLITE1 00000119 090435 6985513
01 FC:1811 100.00 DA

IN THE ABSTRACT

At section (57), ABSTRACT, right column, line 3, after the word "system"

AUG 2 2006

insert --is--.

IN THE SPECIFICATION

At column 2, line 11, after the word "system", insert --is--.

At column 2, line 32, after "2", delete "Mbs" and insert therefor --Mbps--.

At column 3, line 13, after the word "As", delete ",."

At column 3, line 21, after the word "sequence", delete " $\tilde{m}_p[i] = j^i \cdot \underline{m}_p[i]$ " and insert therefor -- $\tilde{m}_p[i] = j^i \cdot \underline{m}_p[i]$ --.

At column 3, line 23, after the word "of", delete " \tilde{m}_p " and insert therefor -- \tilde{m}_p --.

At column 3, line 24, after the word "to", delete " \tilde{m}_p " and insert therefor -- \tilde{m}_p --.

At column 3, line 38, after the word "with", delete " $\overline{h(k)} \cdot \overline{h^{(k)}}$ " and insert therefor -- $\overline{h^{(k)}} \cdot \overline{h^{(k)}}$ --.

At column 4, line 20, delete " $G = [M^{(1)}, \dots, M^{(k)}, \dots, M^{(k)}]$ ", and insert therefor

-- $G = [M^{(1)}, \dots, M^{(k)}, \dots, M^{(K)}]$ --.

At column 4, lines 24-25, after the word "Equation", delete "6, 52." and insert therefor --6.--.

Patentee: Ariela Zeira
Patent No.: 6,985,513

REMARKS

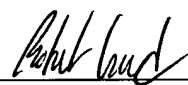
Patentee believes that the above errors are of such a nature as to justify the issuance of a Certificate of Correction. Patentee has enclosed a completed Certificate of Correction Form PTO/SB/44.

Please charge the surcharge fee of \$100.00 to the Deposit Account of InterDigital Communications Corporation, Deposit Account No. 09-0435.

Patentee respectfully request that the Certificate of Correction be issued.

Respectfully submitted,

Ariela Zeira

By 
Robert D. Leonard
Registration No. 57,204
(215) 568-6400

Volpe and Koenig, P.C.
United Plaza, Suite 1600
30 South 17th Street
Philadelphia, PA 19103

RDL/ejo

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**Page 1 of 3

PATENT NO. : 6,985,513
APPLICATION NO.: 09/755,400
ISSUE DATE : Jan. 10, 2006
INVENTOR(S) : Ariela Zeira

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

IN THE TITLE PAGE

At section (56), OTHER PUBLICATIONS, page 1, right column, line 1, after the word "Using", insert --Fast--.

At section (56), OTHER PUBLICATIONS, page 2, left column, line 22, before the word "Group", delete "Specification".

IN THE ABSTRACT

At section (57), ABSTRACT, right column, line 3, after the word "system" insert --is--.

IN THE SPECIFICATIONS

At column 2, line 11, after the word "system", insert --is--.

At column 2, line 32, after "2", delete "Mbs" and insert therefor --Mbps--.

At column 3, line 13, after the word "As", delete ", ".

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Volpe and Koenig, P.C.
United Plaza, Suite 1600
30 South 17th Street
Philadelphia, PA 19103

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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AUG 3 2006

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

Page 2 of 3

PATENT NO. : 6,985,513
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 ISSUE DATE : Jan. 10, 2006
 INVENTOR(S) : Ariela Zeira

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At column 4, line 20, delete " $G = [M^{(1)}, \dots, M^{(k)}, \dots, M^{(k)}]$ ", and insert therefor -- $G = [M^{(1)}, \dots, M^{(k)}, \dots, M^{(K)}]$ --.

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AUG 3 2006

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**Page 3 of 3

PATENT NO. : 6,985,513
APPLICATION NO.: 09/755,400
ISSUE DATE : Jan. 10, 2006
INVENTOR(S) : Ariela Zeira

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FALL 3 2006